



**ENVIRONMENTAL CHECKLIST
DEPARTMENT OF NATURAL RESOURCES**

INSTRUCTIONS FOR APPLICANTS: Answer each question accurately and carefully. If you do not know the answer or if a question does not apply write "do not know" or NA. Complete answer now may avoid unnecessary delays later. If you require additional space for answer or explanations, attach separate sheets.

A. BACKGROUND

OFFICE USE ONLY

1. Project Title: PERMIT REVISION FOR NEW NEWSKAH QUARRY #70-010196	
2. Applicant: NORTHWEST ROCK, INC.	
3. Address and Phone: 642 NEWSKAH RD. ABERDEEN, WA 98520 360-533-3050	
4. Date checklist prepared: APRIL, 2003 – REVISED FROM APRIL, 1999	
5. Agency requiring checklist: DEPARTMENT OF NATURAL RESOURCES	
6. Proposed timing or schedule: ASAP	
7. Plans for future additions, expansion, or further activity. If yes, explain. NOT AT THIS TIME.	
8. List other environmental information you know about related to this proposal: ENVIRO CHECKLIST AND SM'S SUBMITTED TO DNR IN 1999.	
9. List other pending applications or approvals: DNR REVISED RECLAMATION PLAN, GRAYS HARBOR COUNTY CONDITIONAL USE PERMIT, DOE STORM WATER PERMIT #WAG 50- 1044	
10. Give detailed description of proposal including off-site improvements, utility requirements, land and building dimensions etc. (attach site plan): REMOVE AND STOCKPILE OVERBURDEN, MINE BEDROCK, SLOPE AND RECOVER WITH OVERBURDEN. MINING ACTIVITIES INCLUDE BLASTING, SORTING, CRUSHING AND STOCKPILING BEDROCK. SEGMENTAL RECLAMATION IS RECURRING THROUGH LIFE OF PROJECT.	
11. Location of proposal including section, township, range and parcel number. PART OF SECTION 4&9, TWN 16N, 09W.W.M. 160904310010, 160904430010, 160904430020, 160909210000.	

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B. ENVIRONMENTAL ELEMENTS

1. EARTH	
a. General description of the site (circle one): flat, rolling, hilly, steep slopes, mountainous, other – GENERALLY DESCRIBED AS HILLY WITH SOME STEEP SLOPES.	
b. What is the steepest slope on site (approximate percent slope)? THE STEEPEST SLOPE IS ½ TO 1.	
c. What general types of soils are found on the site (e.g., clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland. CLAY AND ROCK.	
d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. NO – ALL AREAS SEEM TO BE STABLE.	
e. Describe purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill. OVERBURDEN WILL BE REDISTRIBUTED UPON SEGMENTAL RECLAMATION. NO NEED TO IMPORT SOILS (SEE NARRATIVE-SOIL BUDGET)	
f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. YES, EROSION COULD OCCUR, BUT WE WILL USE EROSION CONTROL MEASURES (PIT FLOOR WILL BE SLOPED TO RETENTION PONDS, OVERBURDEN STOCKPILES WILL BE SEEDED) TO GUARD AGAINST IMPACTS CAUSED BY EROSION.	
g. About what percent of the site will be covered with impervious surfaces after project construction (e.g., asphalt or buildings)? LESS THAN 1% OF TOTAL AREA.	
h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any: WELL ESTABLISHED STORM WATER DITCHES AND RETENTION PONDS IN PLACE AND WORKING PROPERLY.	
2. AIR	
a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known. THERE WILL BE DIESEL EXHAUST FROM EQUIPMENT AND TRUCKS. SOME DUST ASSOCIATED WITH PROCESSING, CRUSHING, AND TRAFFIC. THIS SITE IS SURROUNDED BY COMMERCIAL FOREST COMPANIES AND IMPACTS FROM DUST ARE NOT AN ISSUE.	
b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. NONE	
c. Proposed measures to reduce or control emissions or other impacts to air, if any: ALL EQUIPMENT WILL BE UNDER SCHEDULED MAINTENANCE AND INSPECTION PROGRAMS. ROADS WILL BE WATERED DURING DRY SEASON. SPEED LIMITS WILL BE OBSERVED.	
3. WATER	

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a. Surface:

1. Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.
YES, FALLS CREEK IS LOCATED ON THE PERMITTED SITE. IT FLOWS NORTHWARD AND SPILLS INTO NEWSKAH CREEK.
2. Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.
YES, SEE ATTACHED DRAWING
3. Estimate amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.
NONE
4. Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.
NO
5. Does the proposal lie within a 100-year flood plain? If so, note location on the site plan.
NO
6. Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.
YES, THE WASTE IS STORM WATER AND IS DIRECTED TO A SERIES OF (9) NINE RETENTION PONDS, BEFORE DISCHARGING TO THE NEWSKAH CREEK.

b. Ground:

1. Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose, and approximate quantities if known.
THERE IS ONE DOMESTIC WELL ON SITE AND THE PIT FLOOR WILL BE BLASTED AT FINAL RECLAMATION TO ALLOW FOR INFILTRATION.
2. Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (e.g., domestic sewage; industrial, containing the following chemicals _____; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.
NONE

c. Water Runoff (including storm water):

1. Describe the source of runoff, (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.
STORM WATER RUNOFF IS DIRECTED TOWARD RETENTION PONDS DESIGNED TO COLLECT AND SEDIMENT LADEN WATER AND ALLOW IT TO SETTLE OUT BEFORE DISCHARGING TO NEWSKAH CREEK. NO DRAINAGES WILL BE ALTERED, NO CHANGE IN DISCHARGE VOLUME TO CREEK.

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<p>2. Could waste materials enter ground or surface waters? If so, generally describe.</p> <p>ALL PRECAUTIONS WILL BE TAKEN TO AVOID WASTE MATERIALS ENTERING SURFACE WATER. THE RETENTION PONDS ARE DESIGNED FOR THIS PURPOSE. MONITORING OF OUR DISCHARGE TO SURFACE WATE (NEWSKAH CREEK) IS DONE TWICE PER MONTH.</p> <p>WASTE MATERIALS ENTERING GROUND WATER IS A NONE ISSUE SINCE GROUND WATER IS 400' BELOW PIT FLOOR.</p>	
<p>3. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:</p> <p>RETENTION PONDS, VEGETATIVE BUFFERS.</p>	

<p>4. PLANTS</p>	
<p>a. Check or circle types of vegetation found on the site:</p> <p>___ deciduous tree: alder, maple, aspen, other _____</p> <p>___ evergreen tree: fir, cedar, pine, other _____</p> <p>___ shrubs</p> <p>___ grass</p> <p>___ pasture</p> <p>___ crop or grain</p> <p>___ wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other _____</p> <p>___ water plants: water lily, eel grass, milfoil, other _____</p> <p>___ other types of vegetation</p>	
<p>b. What kind and amount of vegetation will be removed or altered?</p> <p>NO NEED TO REMOVE ANY MORE VEGETATION.</p>	
<p>c. List threatened or endangered species known to be on or near the site.</p> <p>NONE</p>	
<p>d. Proposed landscaping, use of native plants, or measures to preserve or enhance vegetation on the site, if any:</p> <p>RECLAMATION PROCEDURES WILL MEET FOREST PRACTICE STANDARDS OF 190 STEM PER ACRE SURVIVAL AT TERMINATION OF PERMIT.</p>	
<p>5. ANIMALS</p>	
<p>a. Circle any birds and animals which have been observed on or near the site or are known to be on or near the site:</p> <p>birds: hawk, heron, eagle, songbirds, other _____</p> <p>mammals: deer, bear, elk, beaver, other _____</p> <p>fish: bass, salmon, trout, herring, shellfish, other _____</p>	
<p>b. List any threatened or endangered species known to be on or near the site.</p> <p>NONE</p>	
<p>c. Is site part of a migration route? If so, explain.</p> <p>THE SITE IS PART OF THE PACIFIC FLYWAY.</p>	
<p>d. Proposed measures to preserve or enhance wildlife, if any:</p> <p>REVEGETATION DURING SEGMENTAL RECLAMATION WILL ENHANCE WILDLIFE. RETENTION PONDS ARE VERY ACTIVE WITH DIFFERENT SPECIES – BEAVER, DUCKS, OTTERS.</p>	
<p>6. ENERGY AND NATURAL RESOURCES</p>	
<p>a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.</p> <p>DIESEL FOR EQUIPMENT OPERATION, ELECTRICITY FOR OFFICE AND SHOP.</p>	<p>RECEIVED</p> <p>JAN 11 2004</p>

b. Would your project affect the potential use of solar energy on adjacent properties? If so, generally describe. NO	
c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any: NONE	
7. ENVIRONMENTAL HEALTH	
a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe. SMALL PETROLEUM SPILLS FROM OPERATION OF HEAVY EQUIPMENT IS POSSIBLE. ALL EQUIPMENT ON SITE HAVE SPILL KITS ON BOARD AND TRAINING HAS BEEN PROVIDED TO ALL OPERATORS.	
1. Describe special emergency services that might be required. THERE IS THE POSSIBILITY OF FIRE AND/OR AMBULANCE SERVICE NEEDED.	
2. Proposed measures to reduce or control environmental health hazards, if any. PROPER HANDLING, STORAGE AND DISPOSAL OF PETROLEUM PRODUCTS ASSOCIATED WITH HEAVY EQUIPMENT ACTIVITY. SPILL PREVENTION TRAINING AS OUTLINED IN NPDES PERMIT WILL OCCUR	
b. Noise	
1. What types of noise exist in the area which may affect your project (e.g., traffic, equipment operation, other)? NONE	
2. What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (e.g., traffic, construction, operation, other)? Indicate what hours noise would come from the site. PROCESSING WHICH INCLUDES: CRUSHING AND SCREENING WILL OCCUR. EQUIPMENT INCLUDING: FRONT-END LOADERS, EXCAVATORS, AND DUMP TRUCKS WILL GENERATE LEVELS OF NOISE.	
3. Proposed measures to reduce or control noise impacts, if any: MAINTAIN ALL NATURAL BUFFERS, EQUIPMENT MAINTENANCE, CONTROL SPEED ON ACCESS ROAD ARE A FEW EXAMPLES. QUARRY IS LOCATED IN A VERY RURAL AREA. NON-SIGNIFICANT IMPACT.	
8. LAND AND SHORELINE USE	
a. What is the current use of site and adjacent properties? THIS SITE IS CURRENTLY A PERMITTED ROCK QUARRY. ADJACENT PROPERTIES ARE COMMERCIAL FOREST LANDS.	
b. Has the site been used for agriculture? If so, describe. NO	
c. Describe any structures on site. THIS SITE IS THE LOCATION OF OUR CORPORATE OFFICE, SHOP, MEETING ROOM AND STORAGE FACILITIES.	
d. Will any structures be demolished? If so, what? NO PLANS FOR ANY DEMOLITION AT THIS TIME.	

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e. What is the current zoning classification of the site? GD-5 / GENERAL DEVELOPMENT 5.	
f. What is the current comprehensive plan designation of the site? GENERAL DEVELOPMENT.	
g. If applicable, what is the current shoreline master program designation of the site? NONE	
h. Has any part of the site been classified as an "environmentally sensitive" area? NO	
i. Approximately how many people would reside or work in the completed project? THIS NUMBER RANGES FROM A LOW OF 5 TO A HIGH OF 20. THERE ARE NO PERMANENT RESIDENTS.	
j. Approximately how many people would the completed project displace? NONE	
k. Proposed measures to avoid or reduce displacement impacts, if any: NA	
l. Proposed measures to ensure proposal is compatible with existing and projected land uses and plans, if any: SUBSEQUENT USE IS FORESTLAND.	
9. HOUSING	
a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing. NA	
b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing. NA	
c. Proposed measures to reduce or control housing impacts, if any: NA	

10. AESTHETICS	
a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed? THE SHOP IS THE TALLEST BUILDING AT 24 FEET.	
b. What views in the immediate vicinity would be altered or obstructed? NONE	
c. Proposed measures to reduce or control aesthetics impacts, if any: SITE WILL BE SEGMENTALLY RECLAIMED IN ACCORDANCE WITH PLAN.	

11. LIGHT AND GLARE	
a. What type of light or glare will the proposal produce? What time of day would it mainly occur? NONE	
b. Could light or glare from the finished project be a safety hazard or interfere with views? NO	
c. What existing off-site sources of light or glare may affect your proposal. NONE	
d. Proposed measures to reduce or control light and glare impacts, if any: NA	

12. RECREATION	
a. What designated and informal recreational opportunities are in the immediate vicinity? HUNTING	

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b. Would the proposed project displace any existing recreational uses? If so, describe. NO	
c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: SUBSEQUENT USE IS TIMBERLAND. SURROUNDING PROPERTIES ARE CLASSIFIED AS FORESTLAND.	
13. HISTORIC AND CULTURAL PRESERVATION	
a. Are there any places or objects listed on, or proposed for, national, state or local preservation registers known to be on or next to the site? If so, generally describe. NO	
b. Generally describe any landmarks or evidence of historic, archaeological, scientific or cultural importance known to be on or next to the site. NONE	
c. Proposed measures to reduce or control impacts, if any: NA	
14. TRANSPORTATION	
a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any. THE QUARRY IS ACCESSED BY THE NEWKSKAH ROAD, A COUNTY ROAD.	
b. Is site currently served by public transit? If not, what is the approximate distance to nearest transit stop? THE NEAREST PUBLIC TRANSIT IS SR 105, THREE (3) MILES FROM THE QUARRY.	
c. How many parking spaces would the completed project have? How many would the project eliminate? NONE	
d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private). NO	
e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. NO	
f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur. QUARRY TRAFFIC BETWEEN MONDAY AND SATURDAY COULD GENERATE A HIGH OF 100 TRIPS PERDAY TO A LOW OF 0 TPD.	
g. Proposed measures to reduce or control transportation impacts, if any: SAFETY MEETINGS, TRAFFIC SIGNS AND SPEED LIMIT SIGNS.	
15. PUBLIC SERVICES	
a. Would the project result in an increased need for public services (e.g., fire protection, police protection, health care, schools, other)? If so, generally describe. NO	
b. Proposed measures to reduce or control direct impacts on public services, if any. N/A	
16. UTILITIES	

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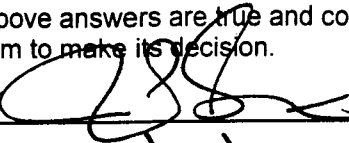
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a. Circle utilities available at the site: electricity , natural gas, water , refuse service , telephone , sanitary sewer, septic system , other.	
b. Describe the utilities that are proposed for the project, the utility providing the service and the general construction activities on the site or in the immediate vicinity which might be needed. NONE	

C. SIGNATURE

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: _____

 President

Date Submitted: _____

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